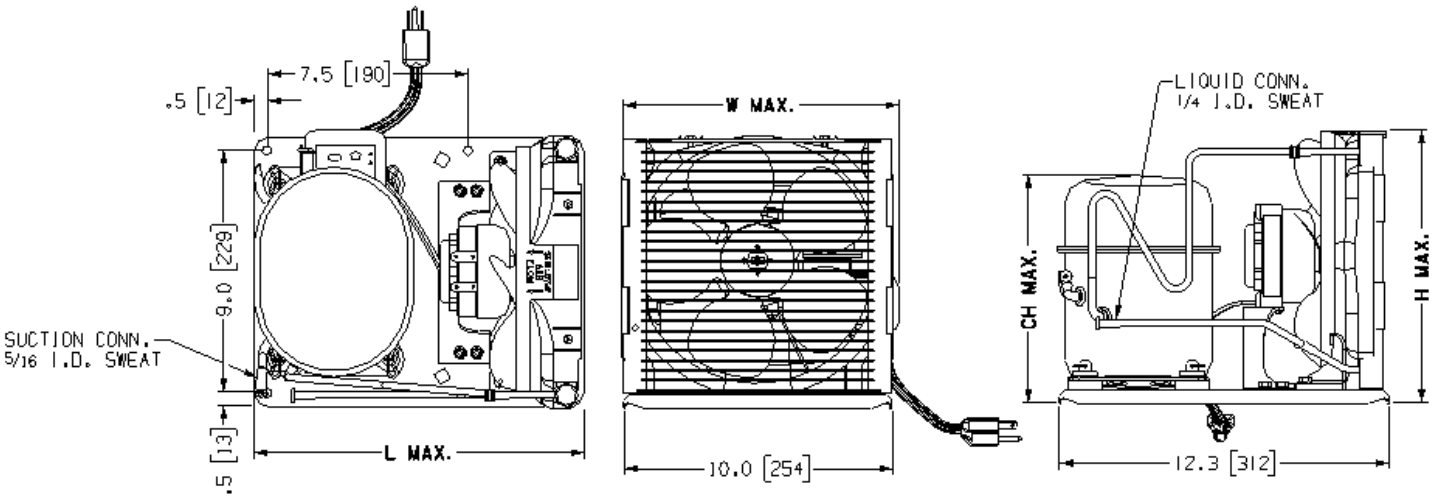
August 14, 2000

Tecumseh Hermetic Condensing Units

Model: **AEA4444YX*PA** **R-134a** **1/3 HP** **Air Cooled**



Note: Dimensioning = Inches [mm]

Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AEA4444YXAPA	12.6	10.2	10.1	8.5	5/16" S	¼" S	-	180	10	TBD
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**										

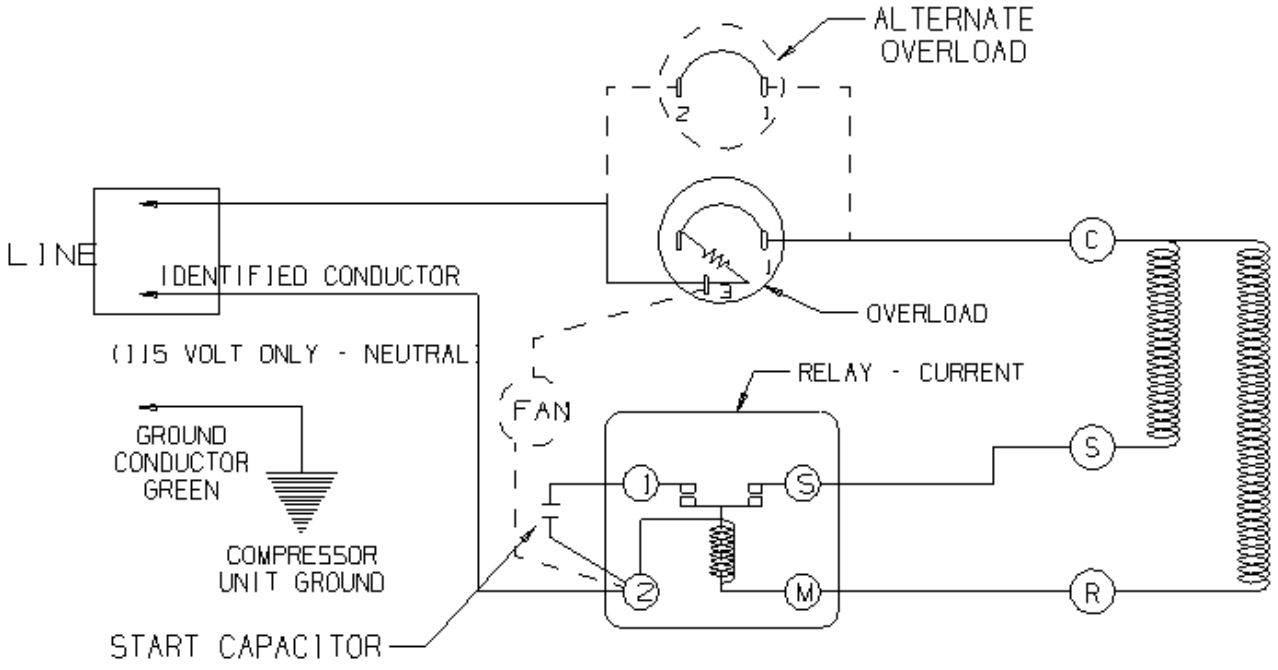
60 Hz Performance

		Ambient Temperature															
Evaporator		80 º F				90 º F				100 ºg F				110 º F			
T, º F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
10	11.9	2394	479	125	100	2209	492	145	108	1973	498	168	118	1788	499	191	127
15	15.0	2672	511	132	103	2480	524	151	111	2233	530	174	121	2027	536	197	129
20	18.4	2972	545	139	106	2766	559	158	113	2499	567	182	123	2269	577	205	132
25	22.1	3295	583	146	109	3069	599	165	116	2773	608	190	126	2514	622	213	135
30	26.1	3641	624	154	112	3387	642	173	119	3054	654	199	129	2761	670	222	138
35	30.4	4008	668	163	115	3721	688	182	122	3342	704	208	132	3010	723	232	141
40	35.0	4398	716	172	119	4072	738	192	126	3637	759	219	135	3262	778	244	144
45	40.0	4811	766	182	122	4438	792	203	130	3940	819	230	139	3517	838	256	147
50	45.4	5246	819	193	126	4820	849	215	134	4249	883	241	142	3774	901	269	150
55	51.2	5703	876	204	130	5219	910	227	139	4566	952	253	146	4033	969	284	153

Based on 65°F return gas (for all condensing temps), 5°F subcooling.

Specifications: AEA4444YX*PA R-134a 1/3 HP Air Cooled

Model	AEA4444YXAPA	AEB4444YXCPA	AEA4444YXDPA
Nominal Volts-Hz-Ph	115-60-1	220/240-50-1	208/230-60-1
Unit Bill of Material	2E328-2, 2E342-1	2E343-1	2E330-2, 2E344-1
Voltage Range	103.5 - 126.5	198 – 264	187 – 253
Min. Circuit Ampacity	10.8	4.9	6.9
Max. Fuse Size (amps)	15	15	15
Compressor Model	AEA4448YXA	AEB4448YXC	AEA4448YXD
Comp. Bill of Material	AE660AT-724-P2	AE660KT-724-P2	AE660ET-724-P2
Alt. Comp. Bill of Mat.	n/a	AE660KR-716-A2	n/a
Compressor RLA/LRA	8.14 / 40.0	3.7 / 17.5	5.3 / 24.5
Overload	8300MRTM74	8300MRPM76	8300MRAN90
Relay	8200EMBJ73	8200EMBE43	8200EMBH89
Alternate Relay	82473	n/a	n/a
Start Capacitor	85PS110C92	85PS220D22	85PS250D08
Start Capacitor Rating	270-324 µfd @ 110 V	53-64 µfd @ 220 V	72-88 µfd @ 250 V
Fan Motor	810M009B48	810M009B47	810M009B47
Alternate Fan Motor	810G009B24	810G009B25	810G009B25
Fan Blade	51567	51567	51567
Condenser	50866	50866	50866
Condenser Shroud	71092	71092	71092
Unit Drawing	SU 1924	SU 1924	SU 1924
Electrical Drawing	DEAE-2	DEAE-2	DEAE-2



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR

REF. DWG. MD-472-1